**EAST Search History**

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| L1 | 1 | ("5754963").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/08 10:14 |
| L2 | 1 | 1 and rate | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/08 10:14 |
| L3 | 29 | oscillascope | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/08 11:04 |
| L4 | 32463 | oscilloscope | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/08 11:07 |
| L5 | 566 | oscilloscope.ti. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/08 11:07 |
| L6 | 120 | 5 and measure and signal | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/08 11:07 |
| L7 | 1 | ("6904783").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/08 12:20 |
| L8 | 1 | ("20030136173").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/08 12:49 |

| L11 | 1 | 8 and processor | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/08 13:00 |
|-----|-----|-----|-----|-----|-----|-----|
| L12 | 12 | ("4422073" | "4464653" | "5517102" | "5809437" | "5971432" | "6115654" | "6122577" | "6144904" | "6434476" | "6721639" | "6741919" | "6759844").PN. OR ("7472000").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/08 13:48 |
| L13 | 258 | recognizing sensor | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/08 14:08 |
| S1 | 6722 | (702/189,127,193,198,183,187,1,33,57,73,90,91,104).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/02 15:24 |
| S2 | 1547 | (702/189).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/02 15:25 |
| S3 | 703 | S2 and sensor | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/02 17:31 |
| S4 | 15 | S3 and first condition | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/02 17:31 |
| S5 | 12 | S4 and second condition | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/02 17:31 |
| S6 | 19014 | first condition and second condition | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/02 17:34 |

| S7 | 11643 | first condition with second condition | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/02 17:34 |
|----|-------|--------------------------------------|------------------------|-----|-----|-----------------|
| S8 | 357 | first condition with second condition with threshold | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/02 17:34 |
| S9 | 132 | first condition with second condition with threshold and sensor | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/02 17:38 |
| S10 | 4027 | time multiplex | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/06 09:59 |
| S12 | 35 | fuel quality sensor | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/06 10:00 |
| S13 | 658 | fuel temperature sensor | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/06 10:01 |
| S14 | 3 | S12 and S13 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/06 10:01 |
| S15 | 418 | signal value range | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/06 10:03 |
| S16 | 8 | gradient measuring signal | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/06 10:15 |

| S17 | 3 | (("6421625" or "7123021" or "6115654")).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/06 10:33 |
| S19 | 2 | method recognizing sensor | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/06 11:20 |
| S20 | 6 | recognizing sensor type | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/06 11:21 |
| S21 | 26 | "5357141" | "5371487" | "5754963" | "5809437" | "5819188" | "5828969" | "5838261".PN. OR ("6115654").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/06 11:26 |
| S22 | 374 | 701/34.CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/06 12:32 |
| S23 | 2 | signal sensor exceed first threshold | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/06 13:07 |
| S24 | 142 | recogniz$ type sensor | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/06 13:25 |
| S25 | 40 | S24 and threshold | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/06 13:26 |
| S26 | 7 | "5958009" | "6003079" | "6071382" | "6078255" | "6440067" | "6513022" | "6600421".PN. OR ("7406401").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/06 13:34 |

| S27 | 6 | ("4556029" \| "5003954" \| "5216882" \| "5235527" \| "5253173" \| "5553489"). PN. OR ("6421625").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/06 15:25 |
|-----|------|-----------------------------------------------------------------------------------------|------------------------|-----|-----|------------------|
| S37 | 1547 | (702/189).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/06 16:05 |
| S38 | 703 | S37 and sensor | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/06 16:05 |
| S42 | 644 | S38 and signal | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/06 16:05 |
| S44 | 292 | S42 and threshold | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/06 16:06 |
| S45 | 68 | S42 and predetermined threshold | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/06 16:06 |
| S46 | 66 | measuring signal with sensor with threshold | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/06 16:20 |
| S47 | 357 | S22 and signal | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/06 16:37 |
| S48 | 178 | S47 and threshold | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/06 16:37 |

| S49 | 167 | S47 and threshold and sensor | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/06 16:37 |
| S52 | 1 | ("5982290").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/06 16:59 |
| S54 | 6722 | (702/189,127,193,198,183,187,1,33,57,73,90,91,104).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/06 17:03 |
| S56 | 5442 | S54 and signal | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/06 17:03 |
| S57 | 3078 | S54 and signal and sensor | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/06 17:03 |
| S58 | 1252 | S54 and signal and sensor and threshold | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/06 17:03 |
| S59 | 563 | S54 and (signal with threshold) and sensor | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/06 17:04 |
| S60 | 83 | S54 and (determining with signal with threshold) and sensor | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/06 17:04 |
| S61 | 28 | ("20020082587" \| "20030236610" \| "4105900" \| "4337516" \| "4752733" \| "5025259" \| "5235527" \| "5235951" \| "5329914" \| "5394341" \| "5479161" \| "5602732" \| "5625557" \| "5669353" \| "5673668" \| "5680409" \| "5754963" \| "5761090" \| "6098011" \| "6276332" \| "6414607" \| "6463797" \| "6468476" \| "6625527" \| "6658333" \| "6698398").PN. OR ("7228249").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/06 17:11 |

| S62 | 122 | "3187303" \| "3677072" \| "3841149" \| "3913084" \| "3969941" \| "4054786" "4074575" \| "4109312" \| "4156280" \| "4165458" \| "4209779" \| "4211113" "4270041" \| "4302813" \| "4316175" \| "4340886" \| "4352293" \| "4366544" "4409832" \| "4429578" \| "4437163" \| "4451916" \| "4510547" \| "4518268" "4520674" \| "4525700" \| "4528852" \| "4530240" \| "4550591" \| "4550604" "4589282" \| "4609994" \| "4612620" \| "4627282" \| "4648290" \| "4683542" "4707796" \| "4758964" \| "4800512" \| "4831558" \| "4835717" \| "4872337" "4884449" \| "4885707" \| "4931949" \| "4972332" \| "4977395" \| "4980675" "4980844" \| "4985857" \| "4989159" \| "5018988" \| "5050427" \| "5058434" "5063775" \| "5084674" \| "5107246" \| "5109610" \| "5112196" \| "5138559" "5189929" \| "5210704" \| "5212989" \| "5239490" \| "5249138" \| "5251151" "5282386" \| "5293196" \| "5315877" \| "5315972" \| "5325312" \| "5394341" "5407265" \| "5433525" \| "5442961" \| "5452616" \| "5477730" \| "5477735" "5483222" \| "5509310" \| "5511422" \| "5561610" \| "5565687" \| "5586156" "5587931" \| "5602732" \| "5602757" \| "5610341" \| "5614659" \| "5621176" "5633800" \| "5635646" \| "5636620" \| "5642717" \| "5646350" \| "5661659" "5669337" \| "5679900" \| "5691904" \| "5698788" \| "5718822" \| "5760310" "5789665" \| "5792949" \| "5809843" \| "5826208" \| "5830106" \| "5844501" "5895857" \| "5986357" \| "6014604" \| "6026340" \| "6202038" \| "6242733" "6272411" \| "RE31750").PN. OR ("6510397").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/06 17:22 |
| S63 | 0 | rate of change with signal | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/06 17:48 |
| S64 | 18366 | rate change with signal | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/06 17:48 |
| S65 | 235 | rate change with signal with predetermined threshold | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/06 17:49 |
| S66 | 0 | measuring rate change signal with predetermined threshold | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/06 17:54 |
| S67 | 0 | measuring rate change with signal with predetermined threshold | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/06 17:54 |

| S68 | 35 | fuel quality sensor | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/07 07:49 |
| S69 | 1 | ("7383816").URPN. | USPAT | ADJ | ON | 2009/04/07 08:58 |
| S70 | 11365 | measuring signal | USPAT | ADJ | ON | 2009/04/07 09:06 |
| S71 | 5648 | measuring with gradient | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/07 09:07 |
| S72 | 1175 | gradient signal | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/07 09:08 |
| S73 | 26 | measuring with S72 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/07 09:08 |
| S74 | 8 | gradient measuring signal | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/07 09:12 |
| S75 | 2429 | signal multiplex | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/07 09:39 |
| S76 | 0 | signal value multiplex | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/07 09:39 |
| S77 | 418 | signal value range | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/07 09:40 |

| S78 | 1 | signal value range multiplex | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/07 09:40 |
| S79 | 1 | ("20010029414").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/07 09:44 |
| S80 | 288 | fuel temperature sensor with signal | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/07 09:46 |
| S81 | 96 | sensor interface system | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/07 10:49 |
| S82 | 1381854 | variable | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/07 12:08 |
| S83 | 5446 | measured variable | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/07 12:10 |
| S84 | 188 | (123/673).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/07 12:12 |
| S85 | 177 | S84 and sensor | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/07 12:12 |
| S86 | 719 | faulty sensor | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/07 14:22 |

| S87 | 330 | faulty sensor and threshold | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/07 14:23 |
| S88 | 13 | ("5148378" \| "5235527" \| "5345179" \| "5621169" \| "5665895" \| "5785100" \| "6016465" \| "6200443" \| "6253607" \| "6332358" \| "6336362").PN. OR ("6904783").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/07 16:33 |
| S89 | 9 | ("20030137341" \| "4425628" \| "5347499" \| "5878098" \| "6076504" \| "6144658" \| "6377862" \| "6819407" \| "6904783").PN. OR ("7330551"). URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/07 16:38 |

**4/8/2009 3:31:09 PM**
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